

PATENT COOPERATION TREATY

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NOTIFICATION OF ELECTION
(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents
United States Patent and Trademark
Office
Box PCT
Washington, D.C. 20231
ÉTATS-UNIS D'AMÉRIQUE

in its capacity as elected Office

Date of mailing: 10 September 1999 (10.09.99)	
International application No.: PCT/JP99/01080	Applicant's or agent's file reference: YCT-395
International filing date: 05 March 1999 (05.03.99)	Priority date: 06 March 1998 (06.03.98)
Applicant: SUMIDA, Shuji et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International preliminary Examining Authority on:
05 March 1999 (05.03.99)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer: J. Zahra Telephone No.: (41-22) 338.83.38
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特許協力条約に基づいて公開された国際出願

<p>(51) 国際特許分類6 A61K 38/17</p>	<p>A1</p>	<p>(11) 国際公開番号 WO99/44630</p> <p>(43) 国際公開日 1999年9月10日(10.09.99)</p>
<p>(21) 国際出願番号 PCT/JP99/01080</p> <p>(22) 国際出願日 1999年3月5日(05.03.99)</p> <p>(30) 優先権データ 特願平10/54799 1998年3月6日(06.03.98)</p> <p>(71) 出願人 (米国を除くすべての指定国について) 中外製薬株式会社 (CHUGAI SEIYAKU KABUSHIKI KAISHA)[JP/JP] 〒115-8543 東京都北区浮間5丁目5番1号 Tokyo, (JP)</p> <p>(72) 発明者 ; および (75) 発明者 / 出願人 (米国についてののみ) 住田秀司(SUMIDA, Shuji)[JP/JP] 佐藤 泰(SATO, Yasushi)[JP/JP] 〒171-8545 東京都豊島区高田3丁目41番8号 中外製薬株式会社内 Tokyo, (JP)</p> <p>(74) 代理人 弁理士 社本一夫, 外(SHAMOTO, Ichio et al.) 〒100-0004 東京都千代田区大手町二丁目2番1号 新大手町ビル206区 ユアサハラ法律特許事務所 Tokyo, (JP)</p>		<p>(81) 指定国 AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, 欧州特許 (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG), ARIPO特許 (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), ユーラシア特許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM)</p> <p>添付公開書類 国際調査報告書</p>
<p>(54) Title: PROTEIN-FREE PREPARATIONS</p> <p>(54) 発明の名称 蛋白非添加製剤</p> <p>(57) Abstract Stable preparations containing granulocyte colony stimulating factor which contain the granulocyte colony stimulating factor and 1 part by weight or less, per 1 part by weight of the granulocyte colony stimulating factor, of at least 1 pharmaceutically acceptable surfactant and have a pH value of 7 or lower.</p>		

PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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Translation
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3/14/02
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Applicant's or agent's file reference YCT-395	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP99/01080	International filing date (day/month/year) 05 March 1999 (05.03.99)	Priority date (day/month/year) 06 March 1998 (06.03.98)
International Patent Classification (IPC) or national classification and IPC A61K 38/17		
Applicant CHUGAI SEIYAKU KABUSHIKI KAISHA		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.	
2. This REPORT consists of a total of <u>5</u> sheets, including this cover sheet.	
<input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).	
These annexes consist of a total of _____ sheets.	
3. This report contains indications relating to the following items:	
I	<input checked="" type="checkbox"/> Basis of the report
II	<input type="checkbox"/> Priority
III	<input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
IV	<input type="checkbox"/> Lack of unity of invention
V	<input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
VI	<input type="checkbox"/> Certain documents cited
VII	<input type="checkbox"/> Certain defects in the international application
VIII	<input type="checkbox"/> Certain observations on the international application

Date of submission of the demand 05 March 1999 (05.03.99)	Date of completion of this report 30 September 1999 (30.09.1999)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP99/01080

I. Basis of the report

1. With regard to the **elements** of the international application:*

- ☒ the international application as originally filed
- ☐ the description:
pages _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☐ the claims:
pages _____, as originally filed
pages _____, as amended (together with any statement under Article 19
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☐ the drawings:
pages _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
pages _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP 99/01080

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	4, 5	YES
	Claims	1-3, 6-12	NO
Inventive step (IS)	Claims		YES
	Claims	1-12	NO
Industrial applicability (IA)	Claims	1-12	YES
	Claims		NO

2. Citations and explanations

- Claims 1-3 and 6-12

Document 1, Claim 7, discloses an aqueous pharmacological preparation which contains a therapeutically effective quantity of granulocyte colony stimulating factor and a quantity of surfactant no greater than the quantity of granulocyte colony stimulating factor employed, and which does not contain protein as a stabilizer. Examples 4, 5 and 7-9 further describe preparations which contain polysorbate(80) as a surfactant at more than 0.2 part by weight to 1 part by weight of granulocyte colony stimulating factor, and do not contain protein as a stabilizer.

Document 2, in Claims 10 which refers back to Claims 1, 2 and 8, discloses storage-ready pharmaceutical preparations containing granulocyte colony stimulating factor for use as a liquid injection or infusion, to which at least one preservative is added at a concentration of up to 2% during the production of the preparation, although this can be omitted if desired, with benzalkonium chloride, widely used as a surfactant, included as a possible preservative, wherein the pH of the preparation is approximately 2.0 to approximately 7.4. In Examples 6-9 it describes preparations which do not contain protein as

a stabilizer, in which the ratio of recombinant human granulocyte stimulating factor and polysorbate(80) is 7:2.

Document 3, Claim 2, discloses freeze-dried preparations which further include a physiologically permissible surfactant at less than the quantity of granulocyte colony stimulating factor employed, or at most the same quantity; and Claim 11 indicates that the pH of pharmacological preparations in the form of aqueous solutions obtained by redissolving the freeze-dried preparations in Claim 2 is 6.5-8 or 3-5. Moreover, Example 10 describes a preparation in which Tween 80 and polysorbate(80) exceed 0.2 parts by weight to 1 part by weight of granulocyte colony stimulating factor and which do not contain protein as a stabilizer.

All of the preparations described in these examples are the same as the invention according to Claims 1-3, 6-8 and 12.

Therefore, Claims 1-3, 6-8 and 12 are not novel because they are disclosed in Documents 1 to 3.

- Claims 4 and 5

Documents 1 to 3 do not disclose the invention as described in Claims 4 and 5, wherein there is 0.4-0.8 parts by weight of surfactant to 1 part by weight of granulocyte colony stimulating factor.

However, the fact that this ratio of ingredients is suitable when it comes to producing preparations does not go beyond the conventional wisdom of a person skilled in the art. Therefore, given the disclosures in Documents 1 to 3, setting a suitable ratio of granulocyte colony stimulating factor and surfactant, and a suitable pH value, is not especially difficult for a person skilled in the art.

Therefore, Claims 4 and 5 do not involve an inventive step.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP 99/01080

Document 1 : JP, 8-505610, A

Document 2 : JP, 6-510031, A

Document 3 : JP, 8-504784, A

09/622487

特 許 協 力 条 約

発信人 日本国特許庁（国際予備審査機関）

出願人代理人

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あて名

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国際予備審査報告の送付の通知書

(法施行規則第57条)
〔PCT規則71.1〕発送日
(日.月.年)

12.10.99

出願人又は代理人
の書類記号

YCT-395

重要な通知

国際出願番号
PCT/JP99/01080国際出願日
(日.月.年) 05.03.99優先日
(日.月.年) 06.03.98

出願人（氏名又は名称）

中 外 製 薬 株 式 会 社

1. 国際予備審査機関は、この国際出願に関して国際予備審査報告及び付属書類が作成されている場合には、それらをこの送付書とともに送付することを、出願人に通知する。
2. 国際予備審査報告及び付属書類が作成されている場合には、すべての選択官庁に通知するために、それらの写しを国際事務局に送付する。
3. 選択官庁から要求があったときは、国際事務局は国際予備審査報告（付属書類を除く）の英語の翻訳文を作成し、それをその選択官庁に送付する。
4. 注 意

出願人は、各選択官庁に対し優先日から30月以内に（官庁によってはもっと遅く）所定の手続（翻訳文の提出及び国内手数料の支払い）をしなければならない（PCT39条（1））（様式PCT/IB/301とともに国際事務局から送付された注を参照）。

国際出願の翻訳文が選択官庁に提出された場合には、その翻訳文は、国際予備審査報告の付属書類の翻訳文を含まなければならない。

この翻訳文を作成し、関係する選択官庁に直接送付するのは出願人の責任である。

選択官庁が適用する期間及び要件の詳細については、PCT出願人の手引き第Ⅱ巻を参照すること。

名称及びあて名

日本国特許庁（IPEA/JP）
郵便番号100-8915
東京都千代田区霞が関三丁目4番3号権限のある職員
特 許 庁 長 官

4C 9736

電話番号 03-3581-1101 内線 3452

特 許 協 力 条 約


P C T

国際予備審査報告

(法第12条、法施行規則第56条)
〔PCT36条及びPCT規則70〕

出願人又は代理人 の書類記号 YCT-395	今後の手続きについては、国際予備審査報告の送付通知（様式PCT/ IPEA/416）を参照すること。	
国際出願番号 PCT/J P 99/01080	国際出願日 (日.月.年) 05.03.99	優先日 (日.月.年) 06.03.98
国際特許分類 (IPC) Int.Cl ⁶ A61K38/17		
出願人 (氏名又は名称) 中 外 製 薬 株 式 会 社		

1. 国際予備審査機関が作成したこの国際予備審査報告を法施行規則第57条 (PCT36条) の規定に従い送付する。
2. この国際予備審査報告は、この表紙を含めて全部で 4 ページからなる。 <input type="checkbox"/> この国際予備審査報告には、附属書類、つまり補正されて、この報告の基礎とされた及び/又はこの国際予備審査機関に対してした訂正を含む明細書、請求の範囲及び/又は図面も添付されている。 (PCT規則70.16及びPCT実施細則第607号参照) この附属書類は、全部で ページである。
3. この国際予備審査報告は、次の内容を含む。 I <input checked="" type="checkbox"/> 国際予備審査報告の基礎 II <input type="checkbox"/> 優先権、 III <input type="checkbox"/> 新規性、進歩性又は産業上の利用可能性についての国際予備審査報告の不作成 IV <input type="checkbox"/> 発明の単一性の欠如 V <input checked="" type="checkbox"/> PCT35条(2)に規定する新規性、進歩性又は産業上の利用可能性についての見解、それを裏付けるための文献及び説明 VI <input type="checkbox"/> ある種の引用文献 VII <input type="checkbox"/> 国際出願の不備 VIII <input type="checkbox"/> 国際出願に対する意見

国際予備審査の請求書を受理した日 05.03.99	国際予備審査報告を作成した日 30.09.99	
名称及びあて先 日本国特許庁 (IPEA/J P) 郵便番号100-8915 東京都千代田区霞が関三丁目4番3号	特許庁審査官 (権限のある職員) 瀬 下 浩 一 	4 C 9736
電話番号 03-3581-1101 内線 3452		

I. 国際予備審査報告の基礎

1. この国際予備審査報告は下記の出願書類に基づいて作成された。(法第6条(PCT14条)の規定に基づく命令に
応答するために提出された差し替え用紙は、この報告書において「出願時」とし、本報告書には添付しない。
PCT規則70.16, 70.17)

☒ 出願時の国際出願書類

- | | | | |
|-------------------------------------|---------|--------|----------------------|
| <input type="checkbox"/> 明細書 | 第 _____ | ページ、 | 出願時に提出されたもの |
| <input type="checkbox"/> 明細書 | 第 _____ | ページ、 | 国際予備審査の請求書と共に提出されたもの |
| <input type="checkbox"/> 明細書 | 第 _____ | ページ、 | 付の書簡と共に提出されたもの |
| | | | |
| <input type="checkbox"/> 請求の範囲 | 第 _____ | 項、 | 出願時に提出されたもの |
| <input type="checkbox"/> 請求の範囲 | 第 _____ | 項、 | PCT19条の規定に基づき補正されたもの |
| <input type="checkbox"/> 請求の範囲 | 第 _____ | 項、 | 国際予備審査の請求書と共に提出されたもの |
| <input type="checkbox"/> 請求の範囲 | 第 _____ | 項、 | 付の書簡と共に提出されたもの |
| | | | |
| <input type="checkbox"/> 図面 | 第 _____ | ページ/図、 | 出願時に提出されたもの |
| <input type="checkbox"/> 図面 | 第 _____ | ページ/図、 | 国際予備審査の請求書と共に提出されたもの |
| <input type="checkbox"/> 図面 | 第 _____ | ページ/図、 | 付の書簡と共に提出されたもの |
| | | | |
| <input type="checkbox"/> 明細書の配列表の部分 | 第 _____ | ページ、 | 出願時に提出されたもの |
| <input type="checkbox"/> 明細書の配列表の部分 | 第 _____ | ページ、 | 国際予備審査の請求書と共に提出されたもの |
| <input type="checkbox"/> 明細書の配列表の部分 | 第 _____ | ページ、 | 付の書簡と共に提出されたもの |

2. 上記の出願書類の言語は、下記に示す場合を除くほか、この国際出願の言語である。

上記の書類は、下記の言語である _____ 語である。

- ☐ 国際調査のために提出されたPCT規則23.1(b)にいう翻訳文の言語
☐ PCT規則48.3(b)にいう国際公開の言語
☐ 国際予備審査のために提出されたPCT規則55.2または55.3にいう翻訳文の言語

3. この国際出願は、ヌクレオチド又はアミノ酸配列を含んでおり、次の配列表に基づき国際予備審査報告を行った。

- ☐ この国際出願に含まれる書面による配列表
☐ この国際出願と共に提出されたフレキシブルディスクによる配列表
☐ 出願後に、この国際予備審査(または調査)機関に提出された書面による配列表
☐ 出願後に、この国際予備審査(または調査)機関に提出されたフレキシブルディスクによる配列表
☐ 出願後に提出した書面による配列表が出願時における国際出願の開示の範囲を超える事項を含まない旨の陳述書の提出があった
☐ 書面による配列表に記載した配列とフレキシブルディスクによる配列表に記載した配列が同一である旨の陳述書の提出があった。

4. 補正により、下記の書類が削除された。

- ☐ 明細書 第 _____ ページ
☐ 請求の範囲 第 _____ 項
☐ 図面 図面の第 _____ ページ/図

5. ☐ この国際予備審査報告は、補充欄に示したように、補正が出願時における開示の範囲を越えてされたものと認められるので、その補正がされなかったものとして作成した。(PCT規則70.2(c) この補正を含む差し替え用紙は上記1.における判断の際に考慮しなければならず、本報告に添付する。)

V. 新規性、進歩性又は産業上の利用可能性についての法第12条（PCT35条(2)）に定める見解、それを裏付ける文献及び説明

1. 見解

新規性 (N)	請求の範囲	4, 5	有
	請求の範囲	1-3, 6-12	無
進歩性 (IS)	請求の範囲		有
	請求の範囲	1-12	無
産業上の利用可能性 (IA)	請求の範囲	1-12	有
	請求の範囲		無

2. 文献及び説明 (PCT規則70.7)

○請求の範囲1-3, 6-12に関して

文献1の請求項7には、治療的に有効な量の顆粒球コロニー刺激因子と、使用した顆粒球コロニー刺激因子の量以下の量の界面活性剤を含有し、安定化剤としてのタンパク質を含有しない水性薬理製剤が記載されている。また、実施例4, 5, 7-9においては界面活性剤としてのポリソルベート80が顆粒球コロニー刺激因子に対して0.2重量部を越え、かつ安定化剤としてのタンパク質を含有しないものが記載されている。

文献2の請求項1, 2及び8を受ける請求項10には、注射又は注入溶液として使用するための顆粒球コロニー刺激因子を含有する保存処理された医薬製剤であって、該医薬製剤の製造中に少なくとも1種の保存剤を2%までの濃度で添加し、所望により除去してもよいものであり、保存剤として界面活性剤として広く用いられる塩化ベンザルコニウムを含み、pHが約2.0~約7.4であるものが記載されている。そして、実施例6-9には組換えヒト顆粒球コロニー刺激因子とポリソルベート80との比が7:2であって安定化剤としてのタンパク質を含有しない溶液が記載されている。

文献3の請求項2には、使用している顆粒球コロニー刺激因子の量より少ない又は最大でそれと同量である生理学的に寛容される界面活性剤を更に含む凍結乾燥製剤が記載されており、また請求項11には、請求項2に記載の凍結乾燥製剤の再溶解により得られる水溶液薬理製剤のpH値が6.5~8又は3~5のものが記載されている。さらに実施例10には、界面活性剤としてTween 80及びポリソルベート80が顆粒球コロニー刺激因子に対して0.2重量部を越え、かつ安定化剤としてのタンパク質を含有しないものが記載されている。

そして、これらの実施例に記載されているものは、いずれも本願の請求の範囲1-3, 6-8及び12に係る発明とは同一である。

従って、請求の範囲1-3, 6-8及び12は文献1ないし3に記載されているから新規性を有さない。

○請求の範囲4, 5について

文献1ないし3には、請求の範囲4及び5の発明である、界面活性剤が顆粒球コロニー刺激因子に対して0.4~0.8重量部であるものが記載されていない。

しかしながら、製剤の製造に際し、その成分比などの値を適当な値とすることは当業者が通常認識する程度の事項であるにすぎないから、文献1ないし3の記載に基づき、顆粒球コロニー刺激因子と界面活性剤の比率及び製剤のpHの値を適宜設定することは、当業者にとって格別困難な事項であるとはいえない。

従って、請求の範囲4及び5は、進歩性を有さない。

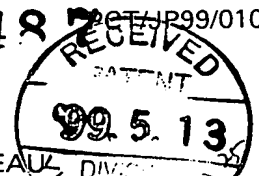
補充欄 (いずれかの欄の大きさが足りない場合に使用すること)

第 V 欄の続き

文献1 : JP, 8-505610, A
文献2 : JP, 6-510031, A
文献3 : JP, 8-504784, A

PATENT COOPERATION TREATY

09 622 48 7 PCT/JP99/01080



PCT

NOTIFICATION CONCERNING SUBMISSION OR TRANSMITTAL OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

To:

SHAMOTO, Ichio
Yuasa and Hara
Section 206, New Ohtemachi Building
2-1, Ohtemachi 2-chome
Chiyoda-ku
Tokyo 100-0004
JAPON

Date of mailing (day/month/year) 30 April 1999 (30.04.99)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference YCT-395	
International application No. PCT/JP99/01080	International filing date (day/month/year) 05 March 1999 (05.03.99)
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 06 March 1998 (06.03.98)
Applicant CHUGAI SEIYAKU KABUSHIKI KAISHA et al	

- The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
- An asterisk(*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
06 Marc 1998 (06.03.98)	10/54799	JP	26 Apr 1999 (26.04.99)

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No. (41-22) 740.14.35

Authorized officer

Marc Salzman

Telephone No. (41-22) 338.83.38

PATENT COOPERATION TREATY 09/622487

PCT

NOTICE INFORMING THE APPLICANT OF THE
COMMUNICATION OF THE INTERNATIONAL
APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

From the INTERNATIONAL BUREAU

To:

SHAMOTO, Ichio
Yuasa and Hara
Section 206, New Ohtemachi Building
2-1, Ohtemachi 2-chome
Chiyoda-ku
Tokyo 100-0004
JAPON

Date of mailing (day/month/year) 10 September 1999 (10.09.99)		IMPORTANT NOTICE	
Applicant's or agent's file reference YCT-395			
International application No. PCT/JP99/01080	International filing date (day/month/year) 05 March 1999 (05.03.99)	Priority date (day/month/year) 06 March 1998 (06.03.98)	
Applicant CHUGAI SEIYAKU KABUSHIKI KAISHA et al			

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice:
AU,CN,EP,IL,JP,KR,US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AL,AM,AP,AT,AZ,BA,BB,BG,BR,BY,CA,CH,CU,CZ,DE,DK,EA,EE,ES,FI,GB,GD,GE,GH,GM,HR,HU,
ID,IN,IS,KE,KG,KZ,LC,LK,LR,LS,LT,LU,LV,MD,MG,MK,MN,MW,MX,NO,NZ,OA,PL,PT,RO,RU,SD,
SE,SG,SI,SK,SL,TJ,TM,TR,TT,UA,UG,UZ,VN,YU,ZW

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on
10 September 1999 (10.09.99) under No. WO 99/44630

REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer J. Zahra
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 338.83.38

PATENT COOPERATION TREATY **09/622487****PCT****INFORMATION CONCERNING ELECTED
OFFICES NOTIFIED OF THEIR ELECTION**

(PCT Rule 61.3)

From the INTERNATIONAL BUREAU

To:

SHAMOTO, Ichio
Yuasa and Hara
Section 206, New Ohtemachi Building
2-1, Ohtemachi 2-chome
Chiyoda-ku
Tokyo 100-0004
JAPON

Date of mailing (day/month/year) 10 September 1999 (10.09.99)		
Applicant's or agent's file reference YCT-395		IMPORTANT INFORMATION
International application No. PCT/JP99/01080	International filing date (day/month/year) 05 March 1999 (05.03.99)	
Priority date (day/month/year) 06 March 1998 (06.03.98)		
Applicant CHUGAI SEIYAKU KABUSHIKI KAISHA et al		

1. The applicant is hereby informed that the International Bureau has, according to Article 31(7), notified each of the following Offices of its election:

AP : GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW

EP : AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

National : AU, BG, BR, CA, CN, CZ, DE, GB, IL, JP, KR, MN, NO, NZ, PL, RO, RU, SE, SK, US

2. The following Offices have waived the requirement for the notification of their election; the notification will be sent to them by the International Bureau only upon their request:

EA : AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

OA : BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

National : AL, AM, AT, AZ, BA, BB, BY, CH, CU, DK, EE, ES, FI, GD, GE, GH, GM, HR, HU, ID, IN,
IS, KE, KG, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MW, MX, PT, SD, SG, SI, SL, TJ, TM, TR,
TT, UA, UG, UZ, VN, YU, ZW

3. The applicant is reminded that he must enter the "national phase" **before the expiration of 30 months from the priority date** before each of the Offices listed above. This must be done by paying the national fee(s) and furnishing, if prescribed, a translation of the international application (Article 39(1)(a)), as well as, where applicable, by furnishing a translation of any annexes of the international preliminary examination report (Article 36(3)(b) and Rule 74.1).

Some offices have fixed time limits expiring later than the above-mentioned time limit. For detailed information about the applicable time limits and the acts to be performed upon entry into the national phase before a particular Office, see Volume II of the PCT Applicant's Guide.

The entry into the European regional phase is postponed until **31 months from the priority date** for all States designated for the purposes of obtaining a European patent.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. (41-22) 740.14.35	Authorized officer: J. Zahra Telephone No. (41-22) 338.83.38
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PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

5/3/99

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference
(if desired) (12 characters maximum)

YCT-395

Box No. I TITLE OF INVENTION

PROTEIN-FREE FORMULATIONS

Box No. II APPLICANT

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

CHUGAI SEIYAKU KABUSHIKI KAISHA

5-1, Ukima 5-chome, Kita-ku,

Tokyo 115-8543 Japan

☐ This person is also inventor.

Telephone No.

Facsimile No.

Teleprinter No.

State (that is, country) of nationality:

Japan

State (that is, country) of residence:

Japan

This person is applicant
for the purposes of:☐ all designated
States☒ all designated States except
the United States of America☐ the United States
of America only☐ the States indicated in
the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

SUMIDA, Shuji

c/o Chugai Seiyaku Kabushiki Kaisha

41-8, Takada 3-chome, Toshima-ku,

Tokyo 171-8545 Japan

This person is:

☐ applicant only☒ applicant and inventor☐ inventor only (If this check-box
is marked, do not fill in below.)

State (that is, country) of nationality:

Japan

State (that is, country) of residence:

Japan

This person is applicant
for the purposes of:☐ all designated
States☐ all designated States except
the United States of America☒ the United States
of America only☐ the States indicated in
the Supplemental Box☒ Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:

☒ agent☐ common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

SHAMOTO, Ichio, (8970) Patent Attorney

YUASA AND HARA, Section 206, New Ohtemachi

Bldg., 2-1, Ohtemachi 2-chome, Chiyoda-ku,

Tokyo 100-0004 Japan

Telephone No.

(03) 3270-6641

Facsimile No.

(03) 3246-0233

Teleprinter No.

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

SATO, Yasushi
c/o Chugai Seiyaku Kabushiki Kaisha
41-8, Takada 3-chome, Toshima-ku,
Tokyo 171-8545 Japan

This person is:

- ☐ applicant only
☒ applicant and inventor
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:
Japan

State (that is, country) of residence:
Japan

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

- ☐ applicant only
☐ applicant and inventor
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

- ☐ applicant only
☐ applicant and inventor
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

- ☐ applicant only
☐ applicant and inventor
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

☐ Further applicants and/or (further) inventors are indicated on another continuation sheet.

Box No. V DESIGNATION OF STATES

The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes; at least one must be marked):

Regional Patent

- ☒ **AP ARIPO Patent:** GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SL Sierra Leone, SZ Swaziland, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT
- ☒ **EA Eurasian Patent:** AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ **EP European Patent:** AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☒ **OA OAPI Patent:** BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)

National Patent (if other kind of protection or treatment desired, specify on dotted line):

- | | |
|---|--|
| <input type="checkbox"/> AE United Arab Emirates | <input checked="" type="checkbox"/> LR Liberia |
| <input checked="" type="checkbox"/> AL Albania | <input checked="" type="checkbox"/> LS Lesotho |
| <input checked="" type="checkbox"/> AM Armenia | <input checked="" type="checkbox"/> LT Lithuania |
| <input checked="" type="checkbox"/> AT Austria | <input checked="" type="checkbox"/> LU Luxembourg |
| <input checked="" type="checkbox"/> AU Australia | <input checked="" type="checkbox"/> LV Latvia |
| <input checked="" type="checkbox"/> AZ Azerbaijan | <input checked="" type="checkbox"/> MD Republic of Moldova |
| <input checked="" type="checkbox"/> BA Bosnia and Herzegovina | <input checked="" type="checkbox"/> MG Madagascar |
| <input checked="" type="checkbox"/> BB Barbados | <input checked="" type="checkbox"/> MK The former Yugoslav Republic of Macedonia |
| <input checked="" type="checkbox"/> BG Bulgaria | |
| <input checked="" type="checkbox"/> BR Brazil | <input checked="" type="checkbox"/> MN Mongolia |
| <input checked="" type="checkbox"/> BY Belarus | <input checked="" type="checkbox"/> MW Malawi |
| <input checked="" type="checkbox"/> CA Canada | <input checked="" type="checkbox"/> MX Mexico |
| <input checked="" type="checkbox"/> CH and LI Switzerland and Liechtenstein | <input checked="" type="checkbox"/> NO Norway |
| <input checked="" type="checkbox"/> CN China | <input checked="" type="checkbox"/> NZ New Zealand |
| <input checked="" type="checkbox"/> CU Cuba | <input checked="" type="checkbox"/> PL Poland |
| <input checked="" type="checkbox"/> CZ Czech Republic | <input checked="" type="checkbox"/> PT Portugal |
| <input checked="" type="checkbox"/> DE Germany | <input checked="" type="checkbox"/> RO Romania |
| <input checked="" type="checkbox"/> DK Denmark | <input checked="" type="checkbox"/> RU Russian Federation |
| <input checked="" type="checkbox"/> EE Estonia | <input checked="" type="checkbox"/> SD Sudan |
| <input checked="" type="checkbox"/> ES Spain | <input checked="" type="checkbox"/> SE Sweden |
| <input checked="" type="checkbox"/> FI Finland | <input checked="" type="checkbox"/> SG Singapore |
| <input checked="" type="checkbox"/> GB United Kingdom | <input checked="" type="checkbox"/> SI Slovenia |
| <input checked="" type="checkbox"/> GD Grenada | <input checked="" type="checkbox"/> SK Slovakia |
| <input checked="" type="checkbox"/> GE Georgia | <input checked="" type="checkbox"/> SL Sierra Leone |
| <input checked="" type="checkbox"/> GH Ghana | <input checked="" type="checkbox"/> TJ Tajikistan |
| <input checked="" type="checkbox"/> GM Gambia | <input checked="" type="checkbox"/> TM Turkmenistan |
| <input checked="" type="checkbox"/> HR Croatia | <input checked="" type="checkbox"/> TR Turkey |
| <input checked="" type="checkbox"/> HU Hungary | <input checked="" type="checkbox"/> TT Trinidad and Tobago |
| <input checked="" type="checkbox"/> ID Indonesia | <input checked="" type="checkbox"/> UA Ukraine |
| <input checked="" type="checkbox"/> IL Israel | <input checked="" type="checkbox"/> UG Uganda |
| <input checked="" type="checkbox"/> IN India | <input checked="" type="checkbox"/> US United States of America |
| <input checked="" type="checkbox"/> IS Iceland | |
| <input checked="" type="checkbox"/> JP Japan | <input checked="" type="checkbox"/> UZ Uzbekistan |
| <input checked="" type="checkbox"/> KE Kenya | <input checked="" type="checkbox"/> VN Viet Nam |
| <input checked="" type="checkbox"/> KG Kyrgyzstan | <input checked="" type="checkbox"/> YU Yugoslavia |
| <input type="checkbox"/> KP Democratic People's Republic of Korea | <input type="checkbox"/> ZA South Africa |
| | <input checked="" type="checkbox"/> ZW Zimbabwe |
| <input checked="" type="checkbox"/> KR Republic of Korea | |
| <input checked="" type="checkbox"/> KZ Kazakhstan | |
| <input checked="" type="checkbox"/> LC Saint Lucia | |
| <input checked="" type="checkbox"/> LK Sri Lanka | |

Check-boxes reserved for designating States which have become party to the PCT after issuance of this sheet:

- ☐
 ☐

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.)

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

1. If, in any of the Boxes, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No. ..." [indicate the number of the Box] and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:

- (i) if more than two persons are involved as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. II" and indicate for each further agent the same type of information as required in Box No. II;
- (v) if, in Box No. I, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. I, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. I" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- (vi) if, in Box No. I, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. I" and indicate for each additional earlier application the same type of information as required in Box No. I;
- (vii) if, in Box No. I, the earlier application is an ARIPO application: in such case, write "Continuation of Box No. I", specify the number of the item corresponding to that earlier application and indicate at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed.

2. If, with regard to the precautionary designation statement contained in Box No. I, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

3. If the applicant claims, in respect of any designated Office, the benefits of provisions of the national law concerning non-prejudicial disclosures or exceptions to lack of novelty: in such case, write "Statement concerning non-prejudicial disclosures or exceptions to lack of novelty" and furnish that statement below.

"Continuation of Box No. IV"

The same address as Box IV

IMAI, Shosuke, (7112) Patent Attorney
 MASUI, Chuji, (7669) Patent Attorney
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 KOBAYASHI, Yasushi, (7527) Patent Attorney
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Box No. VI PRIORITY CLAIM			<input type="checkbox"/> Further priority claims are indicated in the Supplemental Box.		
Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:			
		national application: country	regional application: regional Office	international application: receiving Office	
item (1) 6/3/1998	54799/1998	Japan			
item (2)					
item (3)					

☒ The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office) identified above as item(s): (1)

* Where the earlier application is an ARIPO application, it is mandatory to indicate in the Supplemental Box at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed (Rule 4.10(b)(ii)). See Supplemental Box.

Box No. VII INTERNATIONAL SEARCHING AUTHORITY		
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):	Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):	
	Date (day/month/year)	Number Country (or regional Office)
ISA / JP		

Box No. VIII CHECK LIST; LANGUAGE OF FILING	
This international application contains the following number of sheets: request : 5 description (excluding sequence listing part) : 11 claims : 2 abstract : 1 drawings : 3 sequence listing part of description : Total number of sheets : 22	This international application is accompanied by the item(s) marked below: 1. <input checked="" type="checkbox"/> fee calculation sheet 2. <input checked="" type="checkbox"/> separate signed power of attorney 3. <input type="checkbox"/> copy of general power of attorney; reference number, if any: 4. <input type="checkbox"/> statement explaining lack of signature 5. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s): 6. <input type="checkbox"/> translation of international application into (language): 7. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material 8. <input type="checkbox"/> nucleotide and/or amino acid sequence listing in computer readable form 9. <input checked="" type="checkbox"/> other (specify): Request for transmittal of priority document
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: Japanese

Box No. IX SIGNATURE OF APPLICANT OR AGENT	
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).	
SHAMOTO, Ichio, (8970) Patent Attorney IMAI, Shosuke, (7112) Patent Attorney MASUI, Chuji, (7669) Patent Attorney KURITA, Tadahiko, (7523) Patent Attorney KOBAYASHI, Yasushi, (7527) Patent Attorney EJIRI, Hiroko, (9163) Patent Attorney	

For receiving Office use only	
1. Date of actual receipt of the purported international application: 3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application: 4. Date of timely receipt of the required corrections under PCT Article 11(2): 5. International Searching Authority (if two or more are competent): ISA / JP	2. Drawings: <input type="checkbox"/> received: <input type="checkbox"/> not received: 6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid.

For International Bureau use only Date of receipt of the record copy by the International Bureau:	
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